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Derwent Title: **Spinal column spacer and stabiliser - comprises upper and lower thrust plates held apart by corrugated plate spring all made from single metal strip**

Original Title: ☒ **RU2077288C1: DEVICE FOR STABILIZATION OF VERTEBRAL COLUMN**

Assignee: **LENGD NEUROSURGERY INST** Soviet institute

Inventor: **DAVYDOV E A;**

Accession/
Update: **1997-487972 / 199745**

IPC Code: **A61F 2/44 ;**

Derwent Classes: **P32;**

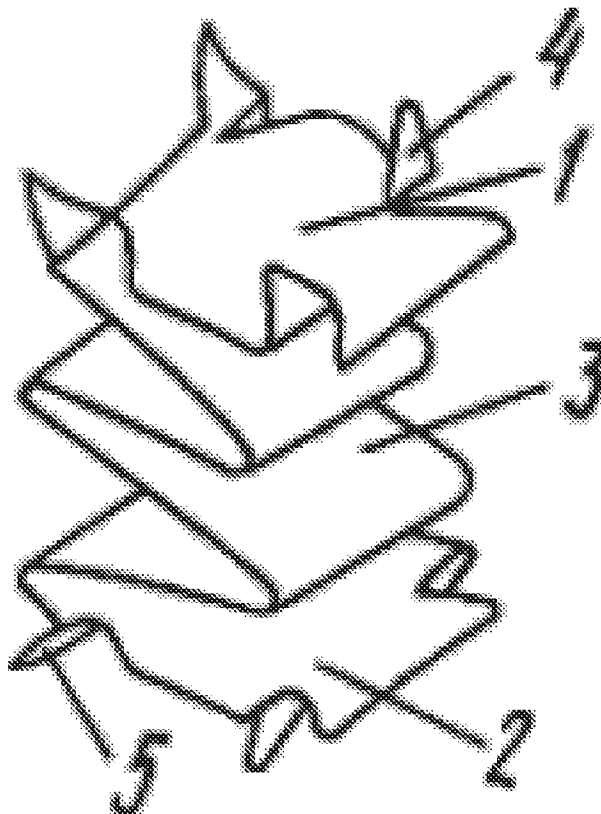


Derwent Abstract: (RU2077288C) The spacer and stabiliser, designed to prevent pathological movement between two vertebrae and maintain the correct space between them, consists of upper and lower thrust plates (1, 2) separated by a spring (3) made from a metal strip with a shape memory effect, e.g. of titanium nickelide.


The thrust plates and spring are made from a single continuous metal strip, and the two thrust plates have projecting sharpened teeth (4, 5) for penetrating the surfaces of the adjacent vertebrae. The dimensions of the strip are, for example, 120 x 20 x 2 mm. The spacer/stabiliser is cooled prior to implanting and then irrigated with a warm antiseptic solution to restore it to its original size. Free bone fragments can be placed around the spacer and fixed with lavsan sutures to produce a fibrous bone block.

Advantage - Spacer/stabiliser is able to restore original position of vertebrae and stabilise spine in that position, preventing lateral movement.

Images:



[Dwg.1/3](#)

Family: **PDF Patent** **Pub. Date** **Derwent Update** **Pages** **Language** **IPC Code**
 **RU2077288C1** * 1997-04-20 199745 3 English A61F 2/44
Local apps.: RU1993000010555 Filed:1993-03-21 (93RU-0010555)

Priority Number:

Application Number	Filed	Original Title
RU1993000010555	1993-03-21	

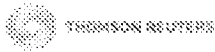
Title Terms: SPINE COLUMN SPACE STABILISED COMPRISE UPPER LOWER THRUST PLATE HELD APART CORRUGATED PLATE SPRING MADE SINGLE METAL STRIP

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